



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1
 2 Serial No. 10/764,345
 3 Filing Date Jan 23, 2004
 4 Confirmation No. 5777
 5 Inventorship Liu
 6 Applicant Microsoft Corporation
 7 Group Art Unit
 8 Examiner
 9 Attorney's Docket No. MS1-1811US
 10 Title: Watermarking via Quantization of Rational Statistics of Regions

INFORMATION DISCLOSURE STATEMENT

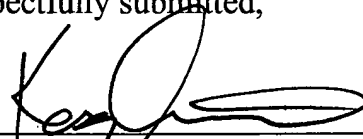
References -- See Attached Form PTO-1449

REMARKS

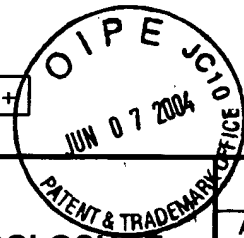
11 The citations listed, copies attached, are submitted in compliance with the
 12 duty of disclosure defined in 37 CFR §1.56. The Examiner is requested to make
 13 these citations of official record in this application.

Respectfully submitted,

16 Date: 6-4-04

17 By: 
 18 Kasey C. Christie
 19 Reg. No. 40,559

Please type a plus sign (+) inside this box →



Substitute for form 1449A/PTO			<i>Complete if Known</i>		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Application Number	10/764,345	
			Filing Date	Jan 23, 2004	
			First Named Inventor	Liu	
			Group Art Unit		
			Examiner Name		
Sheet	1	of	2	Attorney Docket Number	MS1-1811US

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		5,687,236		Moskowitz et al.	11/11/1997	
		6,314,192 B1		Chen et al.	11/06/2001	

FOREIGN PATENT DOCUMENTS								
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
			WO 99/60514		Massachusetts Instit. Tech.	11/25/1999		
			WO 02/37331 A1		Microsoft Corporation	05/10/2002		
			EP 1 253 784 A2		Microsoft Corporation	10/30/2002		

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known		
				Application Number	10/764,345	
				Filing Date	Jan 23, 2004	
				First Named Inventor	Liu	
				Group Art Unit		
				Examiner Name		
Sheet	2	of	2	Attorney Docket Number	MS1-1811US	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		M. KIVANC MIHCAK et al., "Blind Image Watermarking Via Derivation and Quantization of Robust Semi-Global Statistics," 2002 IEEE Int'l. Conference on Acoustics, Speech, & Signal Processing Proceedings (Cat. No. 02CH37334), Proceedings of Int'l. Conf. on Acoustics....., 13-17 May, 2002, pp. IV-3453-IV3456, Vol. 4.	<input type="checkbox"/>
		CHEN, Brian et al., "Achievable Performance of Digital Watermarking Systems," Multimedia Computing & Systems, 1999. IEEE Int'l. Conference on, Florence, Italy, 7-11 June 1999, Los Alamitos, CA, USA, IEEE Comput. Soc, US, 6/7/1999, pp. 13-18.	<input type="checkbox"/>
		CHEN, B. et al., "Quantization Index Modulation Methods for Digital Watermarking and Information Embedding of Multimedia," Journal of VLSI Signal Processing Systems for Signal. Image, & Video Technology, Kluwer Academic Publishers, Dordrecht, NL, Vol. 27, No. 1/2, 2/2001, pp. 7-33.	<input type="checkbox"/>
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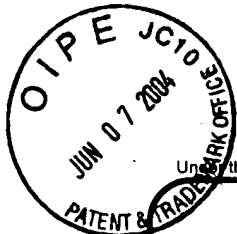
Examiner Signature	Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.



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PTO/SB/21 (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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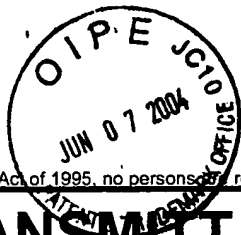
TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/764,345
	Filing Date	Jan 23, 2004
	First Named Inventor	Liu
	Group Art Unit	
	Examiner Name	
Total Number of Pages in This Submission		Attorney Docket Number MS1-1811US

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) Sheets <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Form PTO-1449; reference copies (6); return receipt postcard
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Kasey C. Christie, Reg. No. 40,559
Signature	
Date	6-4-04

CERTIFICATE OF MAILING		
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: _____		
Typed or printed name	Cheryl K. Boies	
Signature		Date 6/4/2004

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT: (\$) 0.00

Complete if Known

Application Number	10/764,345
Filing Date	Jan 23, 2004
First Named Inventor	Liu
Examiner Name	
Art Unit	
Attorney Docket No.	MS1-1811US

METHOD OF PAYMENT (check all that apply)

Check Credit card Money Order Other None

Deposit Account:

Deposit Account Number: 12-0769
 Deposit Account Name: Lee & Hayes, PLLC

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$) 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims		Extra Claims		Fee from below		Fee Paid	
Independent Claims		-20** =		X		=	0
Multiple Dependent		-3** =		X		=	0

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1202 18	2202 9	Claims in excess of 20	
1201 86	2201 43	Independent claims in excess of 3	
1203 290	2203 145	Multiple dependent claim, if not paid	
1204 86	2204 43	** Reissue independent claims over original patent	
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)			(\$) 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code (\$)	Fee (\$)	Fee Code (\$)	Fee (\$)		
1051 130		2051 65		Surcharge - late filing fee or oath	
1052 50		2052 25		Surcharge - late provisional filing fee or cover sheet	
1053 130		1053 130		Non-English specification	
1812 2,520		1812 2,520		For filing a request for <i>ex parte</i> reexamination	
1804 920*		1804 920*		Requesting publication of SIR prior to Examiner action	
1805 1,840*		1805 1,840*		Requesting publication of SIR after Examiner action	
1251 110		2251 55		Extension for reply within first month	
1252 420		2252 210		Extension for reply within second month	
1253 950		2253 475		Extension for reply within third month	
1254 1,480		2254 740		Extension for reply within fourth month	
1255 2,010		2255 1,005		Extension for reply within fifth month	
1401 330		2401 165		Notice of Appeal	
1402 330		2402 165		Filing a brief in support of an appeal	
1403 290		2403 145		Request for oral hearing	
1451 1,510		1451 1,510		Petition to institute a public use proceeding	
1452 110		2452 55		Petition to revive - unavoidable	
1453 1,330		2453 665		Petition to revive - unintentional	
1501 1,330		2501 665		Utility issue fee (or reissue)	
1502 480		2502 240		Design issue fee	
1503 640		2503 320		Plant issue fee	
1460 130		1460 130		Petitions to the Commissioner	
1807 50		1807 50		Processing fee under 37 CFR 1.17(q)	
1806 180		1806 180		Submission of Information Disclosure Stmt	
8021 40		8021 40		Recording each patent assignment per property (times number of properties)	
1809 770		2809 385		Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770		2810 385		For each additional invention to be examined (37 CFR 1.129(b))	
1801 770		2801 385		Request for Continued Examination (RCE)	
1802 900		1802 900		Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 0.00

SUBMITTED BY

Name (Print/Type)

Kasey C. Christie

Registration No. (Attorney/Agent)

40,559

(Complete if applicable)

Telephone (509) 324-9256

Signature

Kasey C. Christie

Date

6-4-04

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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